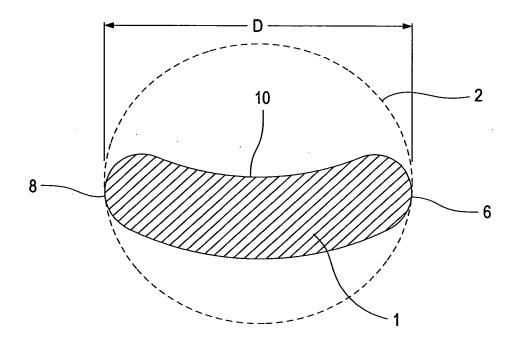


Fig.1





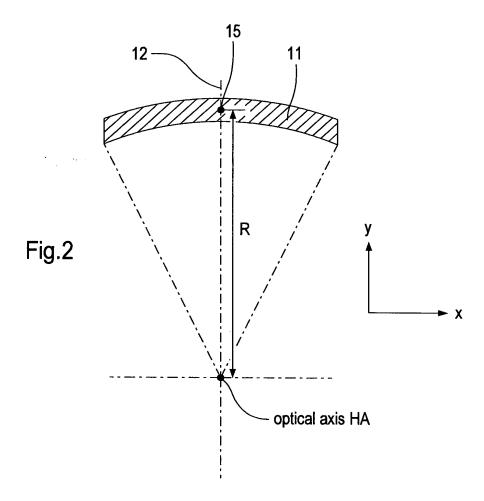
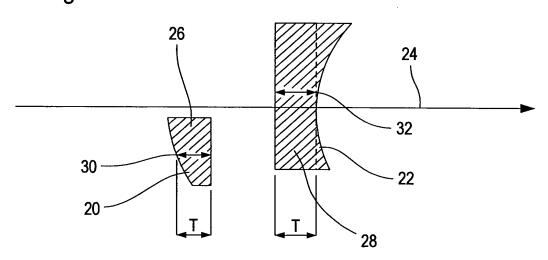
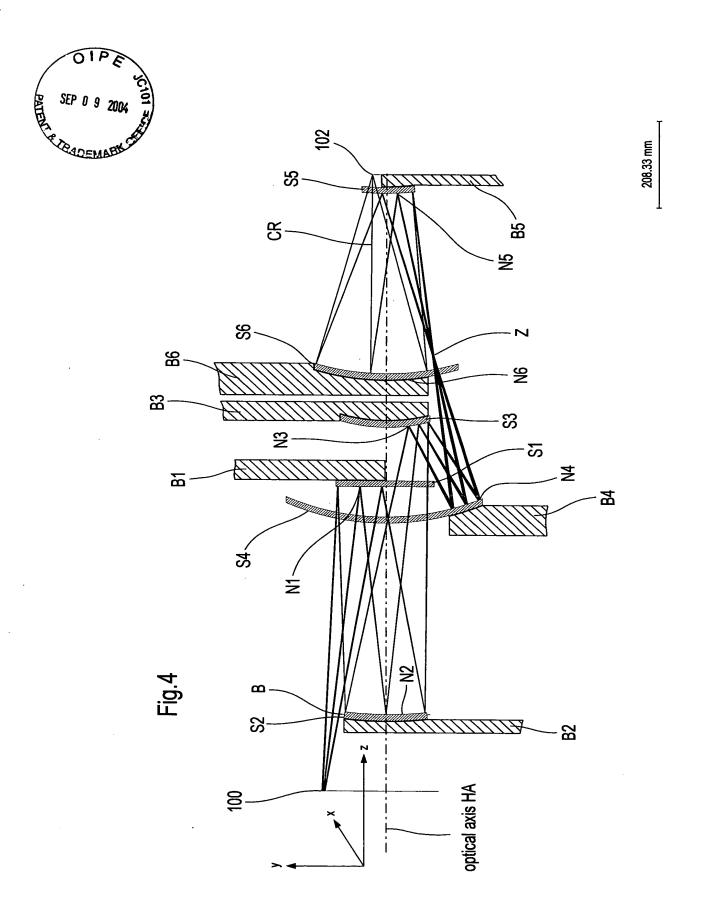




Fig.3





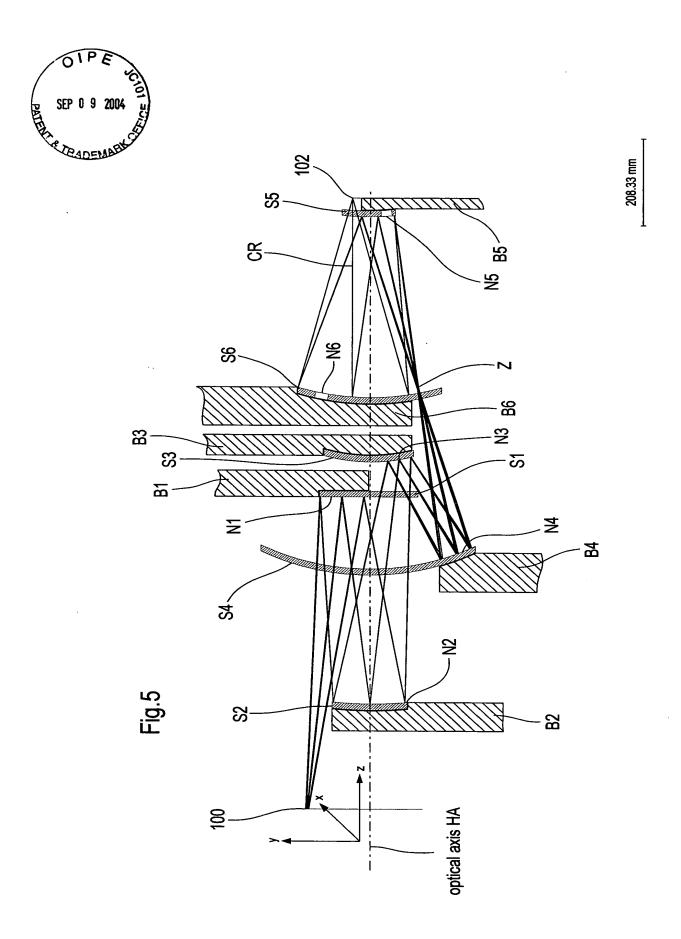




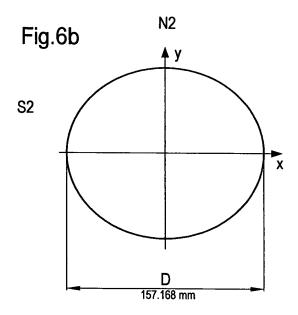
Fig.6a N1

S1

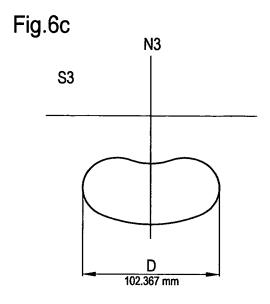
D

145.042 mm

x







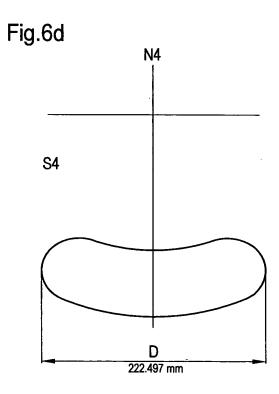
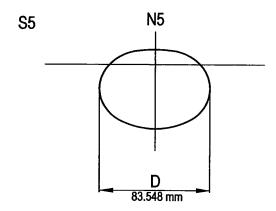
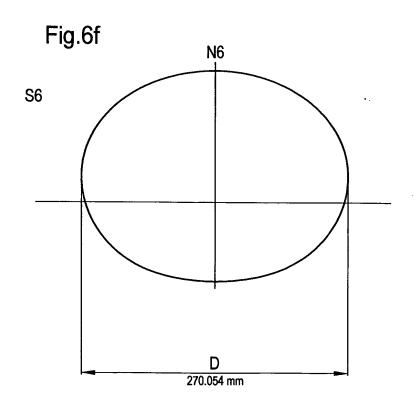
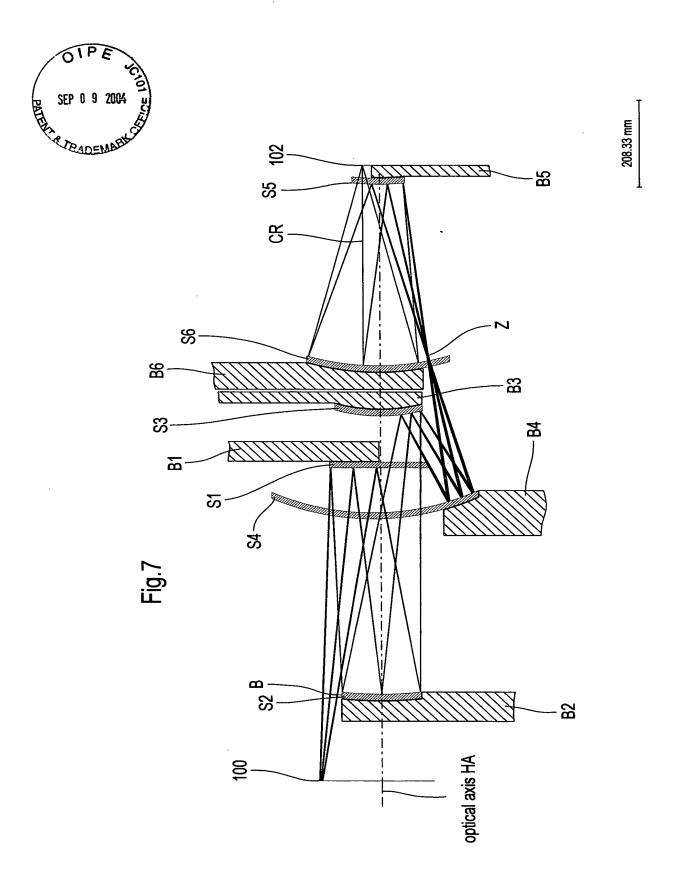




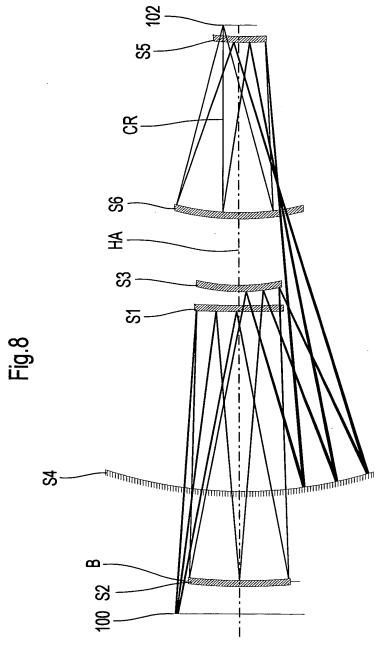
Fig.6e



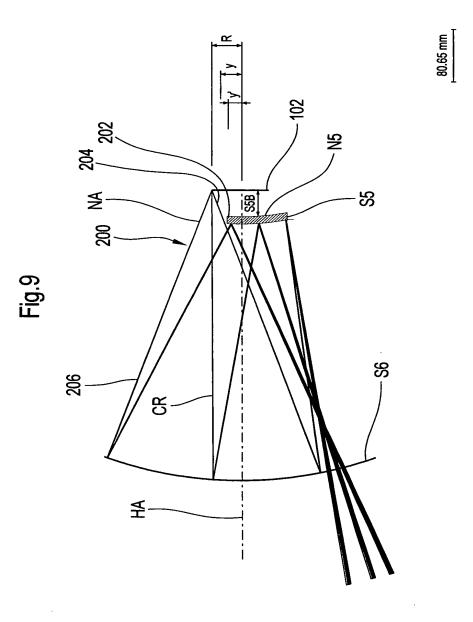


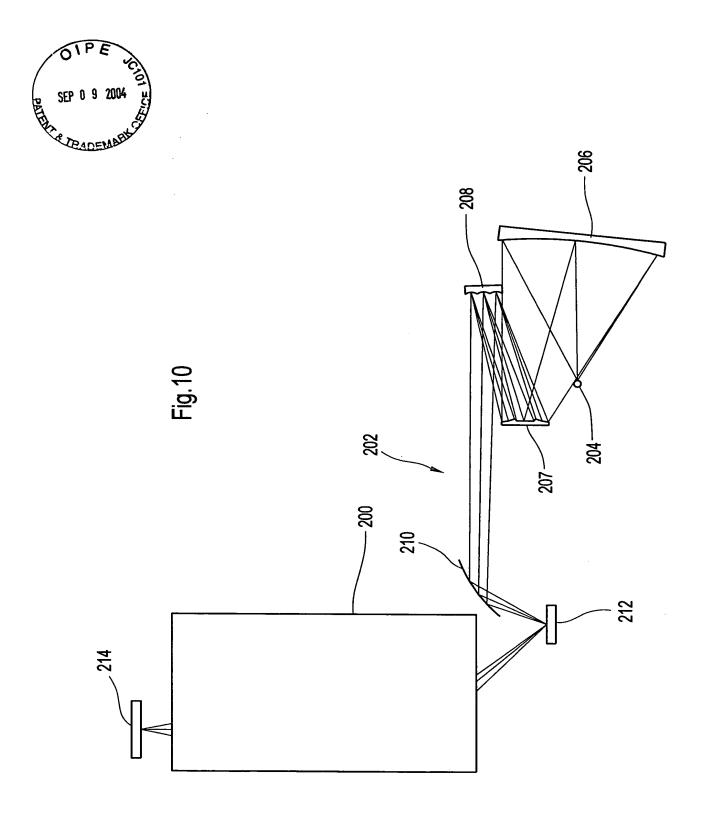












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EP 0 9 2004	REFL	REFL REFL REFL	REFL) y ²⁰	<i>a</i> ~	-1.61832E-24 0.00000E+00	7.46570E-26 0.00000E+00	-5.98614E-23 0.00000E+00	2.36533E-26 0.00000E+00	1.13331E-21 0.00000E+00	2.82784E-27 0.00000E+00	Reference wavelength = 13.4 nm Imaging scale [reduction ratio] = 0.25 Image-side aperture = 0.25
iter	86 40	47 V6 96	13 07) Y ¹⁴ (G) Y ¹⁶ (H) Y ¹⁸ (J,	UΞ	6.93597E-20 0.00000E+00	-3.52050E-21 0.00000E+00	8.46286E-19 0.00000E+00	-5.36969E-22 0.00000E+00	-5.07132E-18 0.00000E+00	1.29123E-21 0.00000E+00	Reference Imaging sc Image-side
Diameter	210.8986 m 177.1640	177.3847 191.0743 426.0706 110.1796	310.6813 70.5007	Y * (D) Y 10 (E) Y 12 (F)	<i>B D</i>	-4.47710E-15 0.00000E+00	-3.63055E-16 0.00000E+00	-2.92857E-15 0.00000E+00	7.43877E-17 0.00000E+00	1.45719E-13 0.00000E+00	3.06114E-16 0.00000E+00	
Table 1 Thickness	743.3276 -557.1863 aperture diaphragm	0.0000 702.9968 -221.1310 787.9929 -436.7697	480.7697	- + (A) Y 4 (B) Y 6 (C)	Απ	5.4896E-10 0.00000E+00	-4.50667E-11 0.00000E+00	-3.98337E-10 0.00000E+00	-3.55491E-12 0.00000E+00	5.44569E-09 0.00000E+00	6.69863E-11 0.00000E+00	Fig. 11
Radius	INF A(1)	A(2) A(3) A(4) A(5)	A(6) INF	$\frac{(\text{CURV}) \ Y^2}{1 + (1 - (1 + \text{K}) (\text{CURV})^2 \ Y^2)^{1/2}} + (A) \ Y^4 + (B) \ Y^6 + (C) \ Y^8 + (D) \ Y^{10} + (E) \ Y^{12} + (F) \ Y^4 + (G) \ Y^{16} + (H) \ Y^{18} + (J) \ Y^{20}$	ХШ	0.000000 1.87256E-29	0.00000 -7.88639E-30	0.00000 1.64447E-27	0.00000 -1.71616E-31	0.000000 -9.96256E-26	0.000000 4.44608E-32	
Element Number	Object 1	C & 4 w	6 Image	asperic constants $Z = {1 + (}$	CURV	0.00006144	0.00092955	0.00284106	0.00193867	0.00179551	0.00186905	
				aspe	asperic profile	A(1)	A(2)	A(3)	A(4)	A(5)	A(6)	

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PADEMARK?	REFL	REFL	REFL REFL	REFL REFL		γ ²⁰	<i>a</i> ~	-1.24487E-24 0.00000E+00	-3.30260E-25 0.00000E+00	1.20451E-22 0.00000E+00	2.50132E-25 0.00000E+00	7.00685E-22 0.00000E+00	1.39691E-27 0.00000E+00	Reference wavelength = 13.4 nm Imaging scale [reduction ratio] = 0.25 Image-side aperture = 0.25
		·				14 (G) Y 16 (H) Y 18 (J) +	UT	4.65491E-20 0.00000E+00	-7.41356E-21 0.00000E+00	-1.55198E-18 0.00000E+00	-3.64542E-20 0.00000E+00	-2.78314E-18 0.00000E+00	1.34385E-21 0.00000E+00	Reference w Imaging sca Image-side a
Diameter	217.5892 157.2988	157.6458	464.9979 440.6069	311.8894	70.8868	+ (D) Y ¹⁰ (E) Y ¹² (F) Y	B 5	-3.59798E-15 0.00000E+00	-8.21885E-16 0.00000E+00	1.08088E-14 0.00000E+00	-1.14820E-15 0.00000E+00	1.32507E-13 0.00000E+00	3.06141E-16 0.00000E+00	
Table 2 Thickness	763.1539 -508.8959 aperture diaphragm	0.0000 592.9977 283.0264	857.5155 A37 1866	481.2681		+ (A) Y ⁴ (B) Y ⁶ (C) Y ⁸	AA	5.02048E-10 0.00000E+00	-8.64008E-11 0.00000E+00	-8.95729E-10 0.00000E+00	-6.05769E-10 0.00000E+00	5.28849E-09 0.00000E+00	6.68738E-11 0.00000E+00	Fig. 12
Radius	INF A(1)	A(2) A(3)	A(4)	A(6)	N.	$\frac{(\mathrm{CURV}) \ Y^2}{1 + (1 - (1 + K) (\mathrm{CURV})^2 \ Y^2)^{1/2}} \ + (A) \ Y^4 + (B) \ Y^6 + (C) \ Y^8 + (D) \ Y^{10} + (E) \ Y^{12} + (F) \ Y^{14} + (G) \ Y^{16} + (H) \ Y^{18} + (J) \ Y^{20}$	ΕK	0.000000 3.09845E-29	-0.000000 0.00000e+00	0.000000 -3.93860E-27	0.799352 -1.67295E-30	0.000000 -8.77929E-26	0.000000 5.80814E-32	
Element Number	Object 1	2 8:) 4 rc	9	Image	asperic constants $Z = \frac{1 + (1 - 1)}{1 + (1 - 1)}$	CURV	-0.00009342	0.00094495	0.00281349	0.00176899	0.00182078	0.00186581	
						aspei	asperic profile	A(1)	A(2)	A(3)	A(4)	A(5)	A(6) ·	

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Туре	REFL	REFL	REFL REFL REFI	REFL	.20		O 7	-1.42715E-24 0.00000E+00	7.46570E-26 0.00000E+00	-3.92007E-23 0.00000E+00	1.33054E-25 0.00000E+00	1.16863E-21 0.00000E+00	1.07497E-27 0.00000E+00	Reference wavelength = 13.4 nm Imaging scale [reduction ratio] = 0.25 Image-side aperture = 0.25
	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;					+ (G) Y + (H) Y + (J) Y	UI	6.16577E-20 0.00000E+00	-3.52050E-21 0.00000E+00	5.33788E-19 0.00000E+00	-9.93523E-21 0.00000E+00	-5.20812E-18 0.00000E+00	1.29774E-21 0.00000E+00	Reference w Imaging scal Image-side a
Diameter	216.0671 173.9832	174.2476 188.2262	428.4537 110.5239	310.5587	10, 12, 12, 11, 12, 13, 13, 13, 13, 13, 13, 13, 13, 13, 13	· (U) Y + (E) Y + (F) Y	<i>B</i> 9	-4.28505E-15 0.00000E+00	-3.63055E-16 0.00000E+00	-7.02528E-16 0.00000E+00	5.06179E-16 0.00000E+00	1.54832E-13 0.00000E+00	2.99098E-16 0.00000E+00	
Table 3 Thickness	767.2557 -555.7033 aperture diaphragm	0.0000 682.2766 -233.6859	794.6148	480.8400	$\frac{(CURV) Y^2}{1 + (1 - (1 + K) (CURV)^2 Y^2)^{1/2}} + (A) Y^4 + (B) Y^6 + (C) Y^8 + (D) Y^{10} + (E) Y^1 + (F) Y^4 + (G) Y^{16} + (H) Y^{18} + (J) Y^{20}$		AA	5.67634E-10 0.00000E+00	-4.50667E-11 0.00000E+00	-3.26329E-10 0.00000E+00	-9.51406E-12 0.00000E+00	5.15785E-09 0.00000E+00	6.62264E-11 0.00000E+00	Fig. 13
Radius	INF A(1)	A(2) A(3)	A(4) A(5)	A(6) INF	(CURV) Y ²	$1 - (1 + K) (CURV)^2 Y^2)^{1/2}$	ΕX	0.00000 2.03931E-29	0.000000 -7.88639E-30	0.00000 1.08438E-27	0.00000 -6.94542E-31	0.000000 -1.05073E-25	0.00000 6.23447E-32	
Element Number	Object 1	2 E	4 °C	6 Image	ĺ	$\frac{1}{1+(1-t)}$	CURV	0.00000000	0.00092352	0.00277871	0.00188296	0.00185628	0.00186897	
					asperic		asperic profile	A(1)	A(2)	A(3)	A(4)	A(5)	A(6)	

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Туре	REFL	REFL	REFL PECI	REFL	~20	- -	<i>0</i> ~	8.54337E-24 0.00000F+00	-7.83597E-27 0.00000E+00	-1.79843E-23 0.00000E+00	-2.15921E-21 0.00000E+00	5.66305E-26 0.00000E+00
.	-	۰. ۵			14 (0) 16 (11) 18 (1)	(c) + 1 (u) + 1 (o) +	UΞ	-7.73130E-20 0.00000E+00	-3.05582E-21 0.00000E+00	1.65053E-19 0.00000E+00	6.16162E-18 0.00000E+00	3.64734E-21 0.00000E+00
Diameter	188.6091 219.3872	219.1277	577.4446 109.4460	273.6442 71.0012	8 (D) V ¹⁰ (E) V ¹² (E)	(1) 1 (1) 1 (1) 1	В	1.86189E-15 0.00000E+00	-3.80687E-16 0.00000E+00	2.76322E-15 0.00000E+00	6.30201E-15 0.00000E+00	8.32770E-16 0.00000E+00
Table 4 Thickness	739.9848 -659.9848 aperture diaphragm	0.0000 709.9848 492.0904	1094.5501 -412.2537	452.2537	+(4) Y + (B) Y + (C) Y + (D) Y + (E) Y		ĸπ	-7.36323E-11 0.00000E+00	-5.11521E-11 0.00000E+00	5.01337E-10 0.00000E+00	6.42053E-09 0.00000E+00	1.40503E-10 0.00000E+00
Radius	INF A(1)	A(2) A(3)	847.3874 CC A(4)	A(5) INF	(CURV) Y ²	$1 + (1 - (1 + K) (CURV)^2 Y^2)^{1/2}$	K	0.000000 -3.23697E-28	-0.000000 0.00000E+00	0.000301 7.76365E-28	0.000000 2.29050E-25	0.000000 0.00000E+00
Element Number	Object 1	3 2	4 C	6 Image	asperic constants 7 =	• -	CURV	0.00046523	0.00092527	0.00241893	0.00112101	0.00192607
					asperic		asperic profile	A(1)	A(2)	A(3)	A(4)	A(5)

Fig. 14

Reference wavelength = 13.4 nm Imaging scale [reduction ratio] = 0.25 Image-side aperture = 0.23